Chapter 3- Control Flow

* Specifies the order in which computations are performed
* Statements and blocks
  + Statement- Expressions that are followed by a semicolon
    - x = 0;
    - i++;
    - printf(“…”);
  + Block- declarations and statements that are grouped together by brackets into a compound statement
* If-else

if (expression)

Statement1

else

Statement2

* Else-if

if (expression)

Statement1

else if (expression)

Statement2

else

Statement3

* Switch

switch (expression)

case *constant*: statement

break;

case *constant*: statement

break;

default: statement

break;

* While and For loops

for (declaration; comparison; update)

statement

declaration

while (comparison)

statement

update

* Do while loops (Same as while, but body is always executed at least once)

do

statement

while (expression)

* Break and Continue
  + Break- provides an early exit from a loop or switch statement. Causes the innermost loop to be exited immediately
  + Continue- causes the next iteration of the enclosing loop to begin